



# Michigan Crop Weather

## Scattered Precipitation

Five days were suitable for fieldwork during the week ending June 14, according to the USDA, NASS, Michigan Field Office. Precipitation varied from 0.62 inches in the western Upper Peninsula to 1.38 inches in the central Lower Peninsula. Average temperatures ranged from 6 degrees below normal in the eastern Lower Peninsula to 4 degrees below normal in the eastern Upper Peninsula, southwest, south central, and southeast Lower Peninsula. Light and variable rains were a welcome relief where soils were drying. Although the added moisture was expected to improve emergence in fields where conditions were less than ideal for planting; the additional rainfall kept farmers out of the fields. Crop development continued to be delayed by cooler than normal temperatures. Growers continued to hope for warmer temperatures to spur crop development. One reported commented, “Good moisture was received the first of the week. Warmer temperatures are needed.” Growers were spraying and side-dressing crops as the weather permitted.

## Field Crops

Slow crop development continued due to wet and cool temperatures. **Wheat** continued to progress. The crop was in Feekes growing stages 9 through flowering. Fungicide spraying occurred in the southeast. **Oats** and **barley** progressed. Many oat fields were in Feekes growing stage 8. **Soybean** planting was nearly complete. Nitrogen side-dressing of **corn** occurred this week. The crop ranged from spike to stage V5. There were numerous reports of the need for sunshine and warmer temperatures to advance the growth of corn and soybeans. First cuttings of **alfalfa** have been reported. However, harvest has been difficult given precipitation and cloudy weather. **Sugarbeets** progressed with some fields in the 8-leaf stage. **Dry bean** planting was fully underway.

Soil moisture for week ending 06/14/09

Stratum	Very short	Short	Adequate	Surplus
	Percent	Percent	Percent	Percent
Topsoil	0	5	80	15
Subsoil	1	5	82	12

Crop condition for week ending 06/14/09

Crop	Very poor	Poor	Fair	Good	Excellent
	Percent	Percent	Percent	Percent	Percent
All Hay	3	9	25	45	18
Barley	0	5	32	52	11
Corn	1	4	25	59	11
Oats	1	2	25	56	16
Pasture	1	5	23	46	25
Soybeans	1	2	31	59	7
Winter Wheat	1	4	23	57	15

## Fruit

Fruit development lagged, as unseasonably cool weather prevailed. The low temperatures have hindered fruit thinning. **Apples** were 18 to 25 mm in diameter in the southwest and 15 to 30 mm in the Grand Rapids area. **Peaches** were 18 mm in the southeast and one inch in diameter in the southwest. Yellow leaves from winter injury were reported in the southwest. **Plums** were 16 to 20 mm in the southwest and 13 mm in the west central. **Strawberry** harvest began in the southwest and continued in the southeast. The harvest period there was expected to be long because of the lengthy bloom. **Raspberry** bloom has wound down. **Sweet cherries** were at 13 mm in the northwest. **Tart cherries** were 11 to 12 mm in the northwest; they were 14 mm in the southwest, where coloring began. The crop potential improved in the west central. **Pears** were 11 to 13 mm in the northwest and 18 to 20 mm in the southeast. **Blueberries** were pea sized and bloom has ended. *Phomopsis* damage in new fields has been severe in the Grand Rapids area. **Grape** shoots were 4 to 8 inches long in the northwest; Niagara bloom began in the southwest.

## Vegetables

In general, cool-season crops continued to grow and develop, while progress of warm-season vegetables was at a near standstill due to prevailing cooler temperatures. Heavy rainfall was reported early in the week in Oceana County, causing growers to worry about leaching of fertilizer and herbicide. **Asparagus** harvest was complete in the southwest, while in the Grand Rapids area, asparagus harvest was expected to continue through the end of June due to slow growth of the crop. **Carrot** stands were highly variable across the State. In Oceana County, there were reports of flooded areas in good carrot stands. **Celery** transplanting continued with slow growth reported. **Cucumber**, **summer squash** and **zucchini** grown under tunnels were flowering. Direct seeding of these crops, as well as **pumpkins** and **winter squash**, continued this week. Fresh market **lettuce** harvest was underway; growers in the east were moving to second plantings. **Cabbage** and **peas** were nearly ready for harvest this week. **Tomato** staking was underway, and later plantings were being set out. Tomato plants in high tunnels were setting fruit which was sizing rapidly. **Onions** on muck soils were making very good progress as were transplants on mineral soils. **Peppers**, **eggplant**, and other warm season vegetables were established this week. **Sweet corn** development continued; growers monitored fields for European corn borer and corn earworm activity. In the southeast, **potato** planting was complete; emerging potatoes were reported in good condition.

Crop progress for week ending 06/14/09

Crop	This week	Last week	Last year	5-year average
	Inches	Inches	Inches	Inches
Corn, height	6	NA	NA	NA
	Percent	Percent	Percent	Percent
All hay, first cutting	48	36	47	57
Asparagus, harvested	73	62	85	85
Corn, emerged	94	82	99	95
Dry beans, planted	40	35	40	52
Oats, headed	8	1	30	35
Potatoes, emerged	94	82	84	84
Soybeans, planted	94	80	98	94
Soybeans, emerged	76	53	93	86
Strawberries, harvested	12	5	19	30
Winter wheat, headed	86	58	96	97
Winter wheat, turning yellow	2	0	4	13

Michigan Weather Summary for Week Ending 06/14/09 <sup>1</sup>

Station	Temperature			Cumulative growing degree days <sup>2</sup>			Precipitation					
	Maximum	Minimum	Departure from normal	2009	2008	Normal	This week	Last two weeks	Last four weeks	Since April 1	Normal	
											Since April 1	For month
Ironwood	73	36		393	391		0.63	0.98	2.39	6.32		
Marquette	75	39		306	350		0.63	0.98	2.39	6.33		
Stephenson	78	45		462	523		0.74	1.33	4.56	8.65		
Western UP	80	34	-5	376	395	460	0.62	1.00	2.58	6.54	7.16	3.61
Cornell	75	41		398	454		0.59	0.89	2.93	6.62		
Sault St Marie	74	42		303	377		0.81	0.93	3.00	5.90		
Eastern UP	75	33	-4	312	377	341	0.76	0.99	3.30	7.37	6.77	3.26
Beulah	75	45		486	608		0.53	2.19	3.97	7.92		
Lake City	77	42		483	611		0.84	2.64	4.73	9.63		
Old Mission	77	43		421	563		0.79	1.40	2.56	4.70		
Pellston	76	38		404	554		0.75	0.82	2.07	4.26		
Northwest	77	38	-5	427	558	543	0.64	1.49	3.02	6.12	6.63	3.03
Alpena	76	43		441	572		1.37	1.66	3.37	7.62		
Houghton Lake	76	43		475	632		1.05	2.03	3.41	8.99		
Rogers City	76	44		447	513		1.15	1.71	3.18	7.78		
Northeast	77	41	-5	459	594	515	1.20	1.79	3.34	8.07	6.58	2.90
Fremont	79	47		567	694		1.06	1.12	1.85	7.79		
Hart	77	47		511	623		1.53	2.11	3.84	10.51		
Muskegon	77	49		590	658		0.14	1.05	2.03	7.45		
West Central	79	36	-5	553	655	617	0.97	1.82	3.24	9.05	7.22	2.94
Alma	78	48		564	719		1.65	1.83	3.24	11.44		
Big Rapids	77	46		598	712		1.40	1.71	2.68	8.14		
Central	79	46	-5	575	713	663	1.38	1.62	2.65	8.96	7.25	3.36
Bad Axe	78	46		506	677		1.17	1.22	1.90	8.31		
Pigeon	77	48		495	677		1.06	1.13	2.10	7.95		
Saginaw	78	49		572	763		1.03	1.18	1.66	8.56		
Standish	78	44		515	656		1.78	1.99	2.72	8.28		
East Central	79	44	-6	503	705	642	1.22	1.34	2.07	8.52	6.51	3.08
Fennville	81	48		621	691		0.68	0.89	2.57	8.70		
Grand Rapids	80	52		689	808		0.38	0.93	2.29	8.99		
Holland	83	52		701	785		0.64	1.46	2.75	11.19		
South Bend, IN	81	53		772	856		3.01	3.29	4.29	9.43		
Watervliet	80	52		683	768		0.97	1.34	2.21	8.32		
Southwest	83	41	-4	693	785	711	0.92	1.30	2.26	8.86	7.98	3.55
Belding	79	46		585	728		0.82	0.97	1.83	8.63		
Coldwater	81	51		729	780		1.58	1.94	2.99	10.18		
Lansing	78	48		627	803		0.65	0.97	3.08	11.53		
South Central	81	46	-4	647	774	713	0.79	1.12	2.11	9.54	7.65	3.57
Detroit	77	51		733	868		1.16	1.43	2.40	9.33		
Flint	77	45		627	845		1.80	1.93	3.05	9.80		
Romeo	79	50		618	751		0.23	0.74	1.71	4.57		
Tipton	80	45		690	799		1.27	1.52	3.03	9.41		
Toledo, OH	78	49		764	857		0.26	0.78	2.02	8.48		
Southeast	81	44	-4	675	814	681	0.86	1.18	2.03	8.26	7.58	3.36

<sup>1</sup> Issued by the USDA, NASS, Michigan Field Office in cooperation with the U.S. Department of Commerce, Michigan State University's Cooperative Extension Service, Agricultural Meteorologist, Department of Geography, and Crop Advisory Team ALERTS.

<sup>2</sup> Growing degree days (GDD) is the sum of daily mean temperatures minus 50 per day, 86 maximum and 50 minimum. The GDD is accumulative from April 1.

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